MP6598687 - Boletus mirabilis
JNat 17265710 - Boletus mirabilis - Oregon
NA41 - cf Boletus mirabilis
MH277494.1 Aureoboletus cf citriniporus WA JLF2782 (type CA)
MH277495.1 Aureoboletus cf citriniporus CA JLF6030
DQ974706.1 Aureoboletus cf flaviporus CA (2/0 CA)
MN174799.1 Aureoboletus cf flaviporus CA JLF7121 (type CA)
Aureoboletus s.l.
NR 154305.1 Pulchroboletus roseoalbidus TYPE IT
MH213058.1 Gastroboletus vividus CA JLF4456 (1-2/0 smithii)
KU160177 Pulchroboletus (Gastroboletus) sp. (amyloideus) JLF3420 OR
KU160178.1 Boletus smithii JLF3512
KT874968.1 Boletus smithii MX 4/0
MH656695.1 Boletus smithii JLF2986 OR
KC184488.1 Boletus smithii JLF2240
MP 3954194 Pulchroboletus smithii (type CA)
Pulchroboletus smithii WA INat98175464
Pulchroboletus
MN128237.1 Hemileccinum subglabripes NY (type NY) MO 294169
cf Hemileccinum subglabripes OR INat36084558 (type NY)
Hemileccinum subglabripes OR INat6965804
Hemileccinum
Buchwaldoboletus aff sphaerocephalus (locked CAN seq, is 1 of this) (type EU)
Buchwaldoboletus lignicola UNITE EUs5 unanimous UDB016068
KU144820.1 Buchwaldoboletus lignicola JLF X22 OR 3/1
Buchwaldoboletus
MK286006.1 Chalciporus cf piperatoides OR INat102369889 (type MI)
MK286011.1 Chalciporus cf piperatoides CA (5/0 OR) INat102370364
Chalciporus piperatus UNITE EU 3 (5)
PSM5447 Chalciporus piperatus PNW02 WA INat125548132
PSM5448 Chalciporus piperatus PNW02 WA INat125549422
Chalciporus piperatus PNW02 WA INat56352059
Chalciporus piperatus UNITE EU 2 JX030198 (2)
MP 3954290 Chalciporus piperatus 1
Chalciporus piperatus UNITE EU 1 UDB001528
MP 6598781 Chalciporus piperatus 1 OR
Chalciporus piperatus 1 INat 35011605 WA
KF208518 C. piperatus 1 JLF2013 Lake Chelan WA (somewhat gastroid)
Chalciporus
KM248937.1 Pulveroboletus cf ravenelii FL
MH212117.1 Pulveroboletus cf ravenelii ENA
MT345219.1 Pulveroboletus cf ravenelii ENA
Pulveroboletus
Xerocomus subtomentosus UNITE EUs2 UDB000500
Xerocomus subtomentosus UNITE EUs2 HQ882199
Xerocomus subtomentosus UNITE EUs2 UDB002280
Xerocomus subtomentosus UNITE EUs20 DQ066368
Xerocomus cf ferrugineus UNITE EUs1 KX449436
KU144808 Xerocomus cf subtomentosus/spadicus CAs8
MT955158.1 Xerocomus cf ferrugineus AK
MT955157.1 Xerocomus cf ferrugineus AK
EF218743.1 Uncultured birch Xerocomus sp. BC interior (+VT)
EF218744.1 Uncultured Xerocomus cf ferrugineus interior BC
Xerocomus cf ferrugineus UNITE EUs1 UDB000461
Xerocomus cf ferrugineus UNITE EUs1 DQ066386
DQ066406 Xerocomus CA (1/0 OR)
Xerocomus ID INat132011552
MK592623.1 Xerocomus oregonensis OR JLF3094
KU144814.1 Xerocomus oregonensis OR JLF X16
MN598756 Xerocomus oregonensis OR
MP6598734 Xerocomus oregonensis OR coast
KU144810 Xerocomus oregonensis OR (also in ENA)
MK592624.1 Xerocomus oregonensis OR JLF3427
KU144812.1 Xerocomus oregonensis OR JLF X15
KU144811.1 Xerocomus oregonensis OR JLF3700 INat100022412
JNat 18701705 Xerocomus oregonensis BTSP
MK046800.1 Xerocomus AZ MO248358
MW985502.1 Xerocomus AZ MO429383(2)
MT340075.1 Xerocomus AZ MO331438
MW985502.1 Xerocomus AZ MO429383
Xerocomus
P p EU UDB036169
P p EU UDB036091
P p EU UDB001485
DQ534563 Porphyrellus porphyrosporus EU
JN021085 Porphyrellus aff porphyrosporus OR (4-5/0 EU 1/0 OR)
MH277493.1 Porphyrellus aff porphyrosporus OR JLF2992 (4-5/0 EU) INat98632570
JF896578 Porphyrellus aff porphyrosporus BC
P p EU KY322659
JF908788 Porphyrellus porphyrosporus EU outlier (3/0)
EU597078.1 Porphyrellus PNW02 BC
MN174794 Porphyrellus PNW02 (as pacificus) OR INat98630674
Porphyrellus
MW343688.1 Gyroporus borealis WA JLF8835 (type VT no ITS)
MW343687.1 Gyroporus borealis OR JLF8747
Gyroporus
Danny s handmade ambiguous sequence Boletus barrowsii
NA38 Boletus barrowsii 2 WA (0/0/4)
MK346151.1 Boletus barrowsii UNITE WNA 2 CA MO 353246 (4-5/3 1)
KC791094.1 Boletus barrowsii UNITE WNA 1 CA (type AZ)
Boletus barrowsii 1 beech INat 31297012 WA
KC900424.1 Boletus barrowsii UNITE WNA 1 NM (alleles 2/0/4 1)
Boletus edulis UNITE EUs398 + ENA + WNA FJ816721
NA39 Boletus edulis
KC900422.1 Boletus edulis var. grandedulis NM
KC900421.1 Boletus edulis var. grandedulis CA (type CA) (1/0 edulis G vs A 314)
MW879315.1 Boletus edulis WA PSMS-1-10
Boletus edulis group Alan Seattle (inside UNITE)
Boletus regineus OR MO298621 (type CA)
KC184484.1 Boletus regineus OR JLF2273
Boletus regineus WA INat54967177 (somewhat reticulated like mottiae)
NR 119675.1 Boletus subalpinus TYPE OR (sister to regineus)
Boletus pinophilus UNITE EUs94 DQ131626 (+ENAx5)
INat35039013 Boletus fibrillosus (type CA)
MP 6598757 Boletus fibrillosus
MP 3954166 Boletus fibrillosus
Boletus fibrillosus (reticulated bitung) WA INat54578827
EU231971.2 Boletus rex-veris CA (type CA)
KC184486.1 Boletus rex-veris CA (3/0)
MH488754.1 Boletus rex-veris CA MO 317671
Boletus fibrillosus WA INat148227745
MF955196.1 Boletus rex-veris Vanc BC
Boletus
EU697272.1 Neoboletus nuber OR (type WA)
EU837224.1 Truncocolumella rubra OR
EU837223.1 Gastroboletus nuber OR 1/0/2
KU160166.1 Neoboletus flammeus 2 OR JLF3805 (4/3 CA) (type ID type var MO)
KU160165.1 Neoboletus sp. flammeus 2 JLF3412
KU160164.1 Neoboletus sp. flammeus 2 JLF3394
KX810672.1 Gastroboletus cf turbinatus ID AHS59561 (ITS1)
MH203881.1 Neoboletus flammeus 2 OR JLF4396
KU160163.1 Neoboletus sp. flammeus 2 JLF3380
KU160162.1 Neoboletus sp. flammeus 2 JLF3097
KY713585.1 Neoboletus flammeus CA JLF (+OR 2lts)
KY713584.1 Neoboletus flammeus CA JLF4412
MT908317.1 Neoboletus cf luridiformis 2 Slovakia
KX756398.1 Boletus cf luridiformis 1 Poland
KX756397.1 Boletus cf luridiformis 1 Poland
MT644889.1 Boletus cf luridiformis 1 Denmark
KU160160.1 Neoboletus vividvelutinus np OR JLF2993
Neoboletus
Butyriboletus querciregius INat 35112543 OR
KC584786 B. querciregius WA 01MW950312 (clean official in paper)
KC184461.1 Butyriboletus querciregius TYPE CA (dirty)
NR 137600.1 Butyriboletus primiregius TYPE CA (+OR +ID)
NR 154876.1 Butyriboletus autumniregius TYPE CA (+OR)
KC184414.1 Butyriboletus abieticola TYPE CA (+OR)
KC184442.1 Butyriboletus persolidus TYPE CA
Butyriboletus
KX610677.1 Rubroboletus aff haematinus (0.5) AZ
KT122396.1 Rubroboletus pulcherrimus CA
Rubroboletus pulcherrimus OR INat3437812
EU837221.1 Rubroboletus pulcherrimus OR
KT122395.1 Rubroboletus pulcherrimus CA
MH203897.1 Rubroboletus pulcherrimus OR JLF5822
KT122387.1 Boletus eastwoodiae CA HDT40393 (very short)
KY713596.1 Rubroboletus eastwoodiae CA JLF4748 (short)
KY713595.1 Rubroboletus eastwoodiae CA JLF4692
KT122388.1 Rubroboletus haematinus CA
MN263008.1 Rubroboletus haematinus (as sp.) JLF6934 AZ
KT122389.1 Rubroboletus haematinus CA (4 alleles)
KY713597.1 Rubroboletus haematinus JLF4532 OR
MH203896.1 Rubroboletus haematinus JLF5383 AZ
EU669374.1 Rubroboletus haematinus (as pulcherrimus) OSC 114189 OR
EU669375.1 Rubroboletus haematinus (as pulcherrimus) OSC 114190 OR
KT122391.1 Rubroboletus haematinus CA
KX610678.1 Rubroboletus haematinus AZ
MN263007.1 Rubroboletus haematinus (as sp.) JLF6932 AZ
KT122394.1 Rubroboletus haematinus JLF2905 OR
KT122393.1 Rubroboletus haematinus JLF1343 OR
EU669376.1 Rubroboletus haematinus (as pulcherrimus) OSC 114157 OR
Rubriboletus
KT968606 Caloboletus rubripes OR MO206192 (type CA)
MP 3954233 Caloboletus rubripes alleles (1/0/8)
KC812286.1 Caloboletus marshii TYPE CA
KC812289.1 Caloboletus marshii OR JLF1051
AJ296293.1 Caloboletus calopus EUs4
AJ689928.2 Caloboletus calopus EUs4
MP3954232 Caloboletus frustosus WA (+BCx3 +ORx2 +CAx2) (type CA) (=+conifericola AK)
Caloboletus frustosus WA INat132450274
Caloboletus
Hortiboletus bubalinus PNW01 Willow Seattle INat14501853 (+NY +Germany)
Hortiboletus bubalinus UNITE EU 2x1 UDB037861
PSM5712 Hortiboletus bubalinus PNW02 WA INat138344045 (birch)
MN306135.1 Hortiboletus sp NM JLF6662
MN306134.1 Hortiboletus sp NM JLF6654
Hortiboletus bubalinus UNITE EU 1x2 (+spx18) UDB037998
Hortiboletus bubalinus PNW01 New West BC INat139493932 (2/0/5)
Hortiboletus bubalinus UNITE EU 1x2 UDB037972/070
Boletus coccyginus Carnation
KU144819 Boletus coccyginus OR JLF X02
KU144818 Boletus coccyginus CA JLF X01
KU144805 Hortiboletus coccyginus WA official (1/1/4 others) (KU144804 is LSU of cf rubellus sp nov)
Hortiboletus coccyginus OR MO 276227
INat 34423971 - Hortiboletus coccyginus WA
Hortiboletus coccyginus MO295069 WA
Hortiboletus cf rubellus sensu ENA maj. (type EU) GQ166876
Hortiboletus
KU144791 Xerocomellus salicicola CA (+OR) OFFICIAL
INat18287098 Xerocomellus salicicola OR
Tylopilus felleus UNITE EUs2000 (type EU) (type of species) UDB000680
Xerocomellus atropurpureus alleles INat 34997947 WA
MycoPortal - 6598833 - Xerocomellus atropurpureus OR
KU144747 Xerocomellus atropurpureus WA OFFICIAL (=gastroid version)
KU144800 Xerocomellus zelleri WA OFFICIAL
Xerocomellus zelleri Vanc BC Mary
KU144766 1 Xerocomellus diffractus WA OFFICIAL
EU526005.1 Xerocomellus diffractus OR (as X. subtomentosus)
MycoPortal - 3956814 Xerocomellus diffractus
INat17475092 Xerocomellus diffractus OR
MO Observations - 342157 Xerocomellus diffractus
KU144789 Xerocomellus rainisiae WA OFFICIAL (type WA)
PSM5926 Xerocomellus rainisiae WA INat121839337
KM215644 Xerocomellus dryophilus CA OFFICIAL
KJ882285 Xerocomellus macmurphyi (OR/CA oak truffle) OFFICIAL
AY918953.1 Xerocomellus macmurphyi OR INat18266184
KJ882288 Xerocomellus behvi (OR/CA oak truffle) OFFICIAL
KU144785 Xerocomellus mendocinensis WA OFFICIAL
MP 6598807 Boletus mendocinensis OR 3/0/1
INat18617460 Boletus amylosporus WA
Xerocomellus amylosporus WA INat98431715
KU144743 Xerocomellus amylosporus WA (=Gastroboletus xerocomoides)
MP 6598829 Xerocomellus amylosporus
Xerocomellus
JX415334 gastroid Suillellus JLF2137 OR
FJ235148.1 Suillellus amygdalinus OR oak (0/3/1)
Suillellus amygdalinus UNITE WNAs5 (type CA) DQ974705
AY918960.1 Suillellus PNW01 SOC 538 (OR oak)
JQ958318 SUILLUS PONDEROSUS (OUTGROUP)
Suillellus
0.10